

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	0	174/255,262,261,805,795.clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 10:21
L14	4861	174/255,262,261,805,795.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 12:05
L15	169084	signal with ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 10:42
L16	2581	15 with trace	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 10:42
L26	109	14 and @pd>"20060413"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 12:06
L27	263	(signal and ground and trace and layer).clm.	US-PGPUB	OR	ON	2006/08/03 12:08
L28	232	(signal and ground and trace and layer and between).clm.	US-PGPUB	OR	ON	2006/08/03 12:08
L29	47	(signal with ground with trace with layer).clm.	US-PGPUB	OR	ON	2006/08/03 12:08
L30	11	(signal with ground with trace with layer with between).clm.	US-PGPUB	OR	ON	2006/08/03 12:08
S1	0	10/774053	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 10:56

## EAST Search History

S2	0	"10774053"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:38
S3	513	"ground structure".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:39
S4	548	(ground and (strucutre grid matrix)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:40
S5	6557	(ground and (structure grid matrix)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:41
S6	812	S5 and (pcb "circuit board" substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 12:41
S7	32	("4675789"   "4859806"   "4899439"   "5397861"   "5519176"   "5633479"   "5912809").PN. OR ("6184477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:55
S8	71	("3876822"   "4054939"   "5136123").PN. OR ("5633479").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:18
S9	4562	174/255,262,261.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:19
S10	1444	S9 and ground	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:42
S11	1337	S10 and (pcb or "circuit board" or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:19
S12	548	S10 and array	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:41

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S13	985	361/805,795,793,794.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:42
S14	67152	ground and (pcb "circuit board" substrate) and array	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:42
S15	188	S13 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:09
S16	1943	333/243,161,246.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:09
S17	306	S14 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:22
S18	909	439/47,74.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:22
S19	97	S18 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:22
S20	2	"5184281".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/13 09:40
S21	348	(ground near grid) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 09:08
S22	13	S21 and multilayer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:23
S23	4247	ground near (grid array)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 09:36

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S24	0	S23 and mutli\$layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 09:36
S25	146	S23 and multi\$layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 09:37
S26	62	S25 and (shield protect faraday)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 09:37
S27	4247	ground near (grid array)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:21
S28	146	S27 and multi\$layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:21
S29	2248	track near pad	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:23
S30	627	S29 and (grid array)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:24
S31	97	S30 and ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:27

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S32	1633	"track pad"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:27
S33	465	S32 and (grid array)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:31
S34	637	ringlet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:31
S35	44	S34 and triang\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:32
S36	5	S34 with triang\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/14 10:32
S37	306	361/799.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 09:15
S38	18	("4782193"   "4811082"   "5285018"   "5288949"   "5410107"   "5446243"   "5633479"   "6107578").PN. OR ("6483714"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 09:36
S39	1425	(signal with ground) same pcb	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 09:37
S40	276	S39 and "361".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 09:40
S41	212	(ground with structure).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 10:13

## EAST Search History

S42	8851	blank.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 10:13
S43	539	S42 and ("361".clas. "29".clas. "174".clas.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 10:14
S44	43	S43 and (card pcb module circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 10:14